

SCHEDULE 3.4

GENERIC NUMERICAL SEDIMENT STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service Number (CAS)	Freshwater Sediment ² Standard for Sensitive Use	Freshwater Sediment ² Standard for Typical Use	Marine and Estuarine Sediment ³ Standard for Sensitive Use	Marine and Estuarine Sediment ³ Standard for Typical Use
acenaphthene	83-32-9	0.055	0.11	0.055	0.11
acenaphthylene	208-96-8	0.08	0.15	0.079	0.15
anthracene	120-12-7	0.15	0.29	0.15	0.29
arsenic	7440-38-2	11.0	20.0	26.0	50.0
benz(a)anthracene	56-55-3	0.24	0.46	0.43	0.83
benzo(a)pyrene	50-32-8	0.48	0.94	0.47	0.92
cadmium	7440-43-9	2.2	4.2	2.6	5.0
chlordane (cis + trans)	5103-71-9 & 5103-74-2	0.0055	0.011	0.003	0.0057
chromium	7440-47-3	56.0	110.0	99.0	190.0
chrysene	218-01-9	0.53	1.0	0.52	1.0
copper	7440-50-8	120.0	240.0	67.0	130.0
dibenz(a,h)anthracene	53-70-3	0.084	0.16	0.084	0.16
dichlorodiphenyldichloroethane (2,4' + 4,4' isomers) [DDD]	53-19-0 & 72-54-8	0.0053	0.01	0.0048	0.0094
dichlorodiphenyldichloroethylene (2,4' + 4,4' isomers) [DDE]	3424-82-6 & 72-55-9	0.0042	0.0081	0.23	0.45
dichlorodiphenyltrichloroethane (2,4' + 4,4' isomers) [DDT]	789-02-6 & 50-29-3	0.003	0.0057	0.003	0.0057
dieldrin	60-57-1	0.0041	0.008	0.0027	0.0052
endrin	72-20-8	0.039	0.075	0.039	0.075
fluoranthene	206-44-0	1.5	2.8	0.93	1.8
fluorene	86-73-7	0.089	0.17	0.089	0.17
heptachlor and heptachlor epoxide	76-44-8 & 1024-57-3	0.0017	0.0033	0.0017	0.0033
hexachlorocyclohexane, gamma-	58-89-9	0.00086	0.0017	0.00061	0.0012
lead	7439-92-1	57.0	110.0	69.0	130.0
mercury	7439-97-6	0.3	0.58	0.43	0.84
methylnaphthalene, 2-	91-57-6	0.12	0.24	0.12	0.24
naphthalene	91-20-3	0.24	0.47	0.24	0.47
pentachlorophenol [PCP]	87-86-5	0.4	0.8	0.36	0.69
phenanthrene	85-01-8	0.32	0.62	0.34	0.65

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polychlorinated biphenyls, total ⁴ [PCBs]	1336-36-3	0.17	0.33	0.12	0.23
polychlorinated dioxins and furans, total ⁵ [PCDDs and PCDFs, total]	1746-01-6	0.00013	0.00026	0.00013	0.00026
polycyclic aromatic hydrocarbons, total ⁶ [PAHs]	NA ⁷	10.0	20.0	10.0	20.0
pyrene	129-00-0	0.54	1.1	0.87	1.7
zinc	7440-66-6	200.0	380.0	170.0	330.0

Notes

- 1 All values in µg/g dry weight (dwt) unless otherwise stated.
- 2 Standards are specific to the protection of freshwater life.
- 3 Standards are specific to the protection of marine and estuarine aquatic life.
- 4 PCBs, total in sediment includes the sum of Aroclors 1016, 1221, 1232, 1242, 1248, 1254, 1260, 1262 and 1268.
- 5 Polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) expressed as 2,3,7,8-tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD) toxicity equivalent as specified in a director's protocol.
- 6 PAHs, total in sediment includes:
 - acenaphthene,
 - acenaphthylene,
 - anthracene,
 - benz(a)anthracene,
 - benzo(a)pyrene,
 - chrysene,
 - dibenz(a,h)anthracene,
 - fluoranthene,
 - fluorene,
 - methylanthracene, 2-
 - naphthalene,
 - phenanthrene, and
 - pyrene.
- 7 NA – not applicable. No CAS number exists for the substance.